Saad Teeti
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Twitter Sentiment Analyzer

Feasibility Study (Technical)

❖ **Technical Feasibility (Twitter Sentiment Analyzer)** :

1) Users' and analysts' familiarity with the business area:

   The business area is data analytics consulting. In other words, it is for companies that are looking for ways to constantly improve their services and products, where they need to collect feedback in order to enhance their company's feature. The team's members have good information about this business area, but they are not expert in it.

2) Familiarity with technology:

   The technical tools we are going to use:
   ▪ Programming Fields: Machine Learning and Natural Language Processing ▪ Programming languages: Python.
   ▪ Libraries: Twitter, nltk, re, csv, time, and json.
   ▪ Database: Twitter Database through Twitter Developer platform.
   ▪ API: Twitter API

   The three team members are expert in Python programming languages, and contain good knowledge of Machine Learning, but are not as experts in Natural Language Processing.

3) Project Size:

   3 persons for the period of 3 month.

4) Conclusion:

   The risk in this stage is medium due to the team's familiarity with the technology, however the risk is would be considered above medium if we take into consideration, the modest familiarity of the team in the business area.

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